

# Safety and Regulatory Information, Mid-Range Two-Cell, Four-Cell Servers and Server Expansion Unit, Regulatory Model Numbers: RSVLA-0102, S16 and FCLSB-101A



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# 1 Safety and Regulatory Information

## Overview

Regulatory Compliance statements are required by some countries or regions for international importation of HP servers. The following information is provided:

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- [“Product Environmental Information” \(page 4\)](#)
- [“Regulatory Information” \(page 4\)](#)
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- [“Lithium Battery Caution” \(page 5\)](#)
- [“Laser Safety” \(page 5\)](#)
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## Notational Conventions

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**⚠ WARNING!** Warnings highlight procedures or information necessary to avoid injury to personnel. The warning should tell the reader exactly what will result from what actions and how to avoid them.

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**⚠ CAUTION:** A caution highlights procedures or information necessary to avoid damage to equipment, damage to software, loss of data, or invalid test results.

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**NOTE:** A note highlights supplemental information.

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## Product Environmental Information

See the following links for environmental and safety information for HP products and for HP environmental initiatives:

- [www.hp.com/go/ecodata](http://www.hp.com/go/ecodata)  
HP product environmental and safety information and compliance data including RoHS and REACH.
- [www.hp.com/environment](http://www.hp.com/environment)  
HP environmental information including company programs, product recycling, and energy efficiency.

## Regulatory Information

For your protection, this product has been tested for conformance to various national and international regulations and standards. The scope of this regulatory testing includes electrical and mechanical safety, electromagnetic emissions, immunity, acoustics and hazardous materials.

When required, approvals are obtained from third party test agencies. Approval marks appear on the product label. In addition, various regulatory bodies require some information under the headings listed in this section.

## Regulatory Model Number

For the purpose of regulatory compliance certifications and identification, this product is assigned an HP regulatory model number. This number can be found on the product label, along with the required approval markings and information. When requesting certification information for this product, always refer to this regulatory model number.

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**NOTE:** Do not confuse the regulatory model number with the marketing or model number.

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## Electrical Safety

This product has not been evaluated for connection to an “IT” power system (AC distribution system having no direct connection to earth according to IEC 60950).

## Installation Conditions

See installation instructions before connecting this equipment to the input supply.


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 **WARNING!** The equipment must be provided with a proper AC protective earth (PE) ground connection.

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## Network Connected Equipment

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 **WARNING!** The installation must provide a ground connection for the network equipment.

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## Electrostatic Discharge (ESD) Precautions

When handling any electronic component or assembly (such as a PCI card or memory DIMM), you must observe the following antistatic precautions to prevent damage. An ESD kit (HP P/N A3024-80004) is available (or supplied with memory additions). This kit contains one wrist strap, one conductive sheet, and one antistatic foam pad.

- Always disconnect power from the server and wear a grounded wrist strap when working around the server.
- Always wear a grounded wrist strap when handling printed circuit boards.
- Treat all assemblies, components and interface connections as static-sensitive.
- Avoid working in carpeted areas, and keep body movement to a minimum while removing or installing boards, to minimize buildup of static charge.

## Lithium Battery Caution



**WARNING!** Observe the correct polarity when changing the lithium battery. There is a danger of explosion if battery is installed incorrectly.

Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and local disposal requirements.



**IMPORTANT:** Switzerland: Annex 4.10 of SR 814.013 applies to batteries.

## Laser Safety

**NOTE:** Laser devices installed in this equipment must be certified as Class 1 Laser devices by the Regulatory Agency recognized by the country where the equipment is installed.

**NOTE:** If a Fibre Channel I/O card is present, the following laser safety statement applies.

This product contains a laser internal to the Optical Link Module (OLM) for connection to the Fibre communications port.

In the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in the Department of Health and Human Services (DHHS) regulation 21 CFR, Subchapter J. The certification is indicated by a label on the plastic OLM housing.

Outside the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in IEC 60825-1:1993 and EN 60825-1:1994, including Amendment 11:1996.

**NOTE:** If a DVD is present, the following laser safety statement applies.

This product contains a laser internal to the Digital Versatile Disc (DVD) housing.

In the USA, the DVD is certified as a Class 1 laser product conforming to the requirements contained in the Department of Health and Human Services (DHHS) regulation 21 CFR, Subchapter J. The certification is indicated by a label on the DVD housing.

Outside the USA, the DVD is certified as a Class 1 laser product conforming to the requirements contained in IEC 60825-1:1993+A1 and EN 60825-1:1994+A11.

## Cabinet Safety Precautions

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**⚠ WARNING!** Cabinets are heavy even when empty. Exercise caution when moving cabinets whether equipment is installed in the cabinet or not. Avoid rolling cabinets on rough or uneven surfaces or inclines greater than 10 degrees. Unloading cabinets from the pallet and movement of cabinets should be performed by at least two people.

Slideable products are not to be extended from the cabinet while the equipment is on the shipping pallet. The cabinet must be unloaded from the pallet and all anti-tip devices properly installed prior to extending any slideable product.

Once installed, all anti-tip devices must remain in place to maintain stability. Only one slideable product must be extended at a time.

To determine ballast requirements, refer to the ballast worksheets in documentation accompanying the cabinet, or to information available at the following:

[http://www.hp.com/go/rack\\_power](http://www.hp.com/go/rack_power)

Failure to follow these precautions can result in damage to equipment or injury to personnel.

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## Disposal of waste equipment by users in private households in the European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product. Also, see the following:

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/disassemblyservers.html>



## HP UPS battery removal

### Important battery safety information

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**⚠ WARNING!** The unit contains sealed lead-acid battery modules. To prevent fire or chemical burns:

- Do not attempt to recharge batteries after removal from the unit.
- Do not disassemble, crush, or puncture the batteries.
- Do not short the external contacts of the batteries.
- Do not immerse the batteries in water.
- Do not expose to temperatures higher than 60°C (140°F).

**WARNING!** To prevent personal injury from hazardous energy:

- Remove watches, rings, or other metal objects.
- Use tools with insulated handles.
- Do not place tools or metal parts on top of batteries.

**WARNING!** To prevent personal injury, prepare the area and observe all materials-handling procedures when transporting a battery module. Battery modules weigh 20 kg (44 lb).

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**NOTE:** Replace all battery modules at the same time.

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## UPS battery replacement overview

The battery modules are hot swappable and can be replaced without powering down the UPS. To power down the UPS, see the UPS user guide for instructions.

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- ⚠ **CAUTION:** When hot-swapping batteries, the load is not protected in the event of a utility power failure, unless at least one ERM is installed.
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- ❗ **IMPORTANT:** Charge the batteries before supplying backup power to devices. See the UPS user guide for recommended charging times.
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## HP UPS T750 G2/T1000 G3

1. Remove the UPS front bezel.
2. Remove the UPS battery bracket.

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⚠ **CAUTION:** Carefully remove the metal battery bracket to avoid damaging the battery lead connectors.

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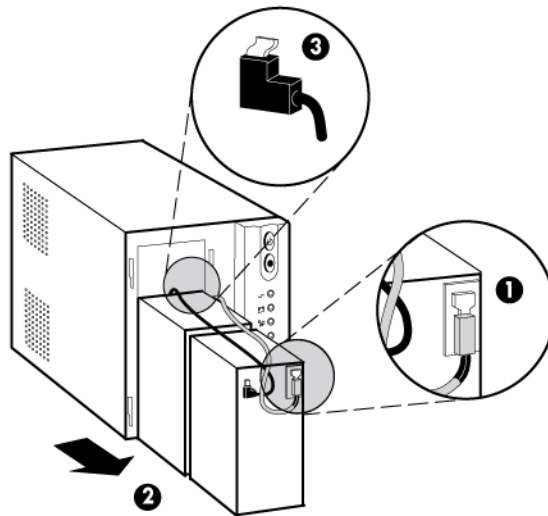
3. Disconnect the red battery lead, and then pull the battery out onto a flat, stable surface.

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⚠ **CAUTION:** The battery is unsupported when you pull it out of the UPS.

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4. Disconnect the black battery lead on the back of the battery.



## HP UPS T1500 G3

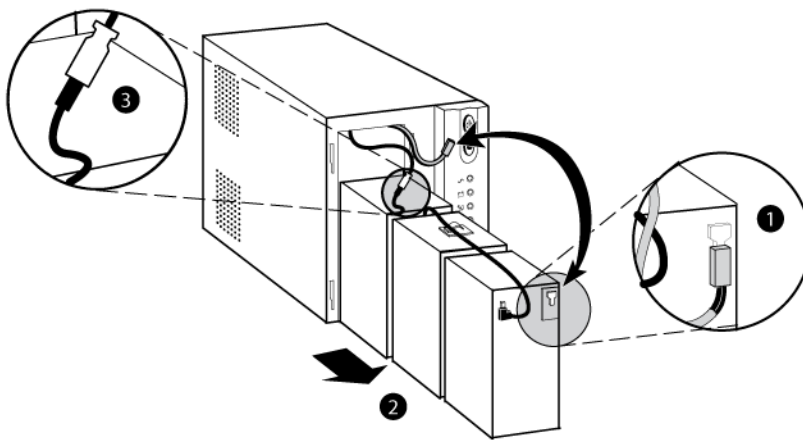
1. Remove the UPS front bezel.
2. Remove the UPS battery bracket.
3. Disconnect the red battery lead, and then slowly pull the battery out just far enough to expose the cable retainer for the black battery lead.
4. Carefully remove the black battery lead from the cable retainer, and then completely pull the battery out onto a flat, stable surface.

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⚠ **CAUTION:** The battery is unsupported when you pull it out of the UPS.

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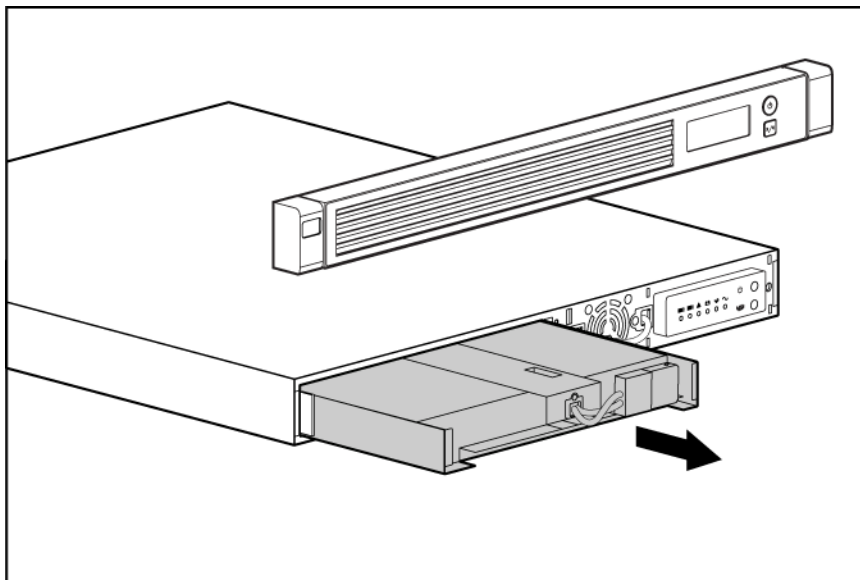
5. Disconnect the black battery lead.



## HP UPS R1500

1. Remove the UPS front bezel.
2. Disconnect the battery leads.
3. Remove the UPS battery bracket. Carefully pull the battery leads through the hole in the battery bracket.
4. Remove the UPS battery modules.

❗ **IMPORTANT:** Do not pull the battery leads when removing or installing the batteries.

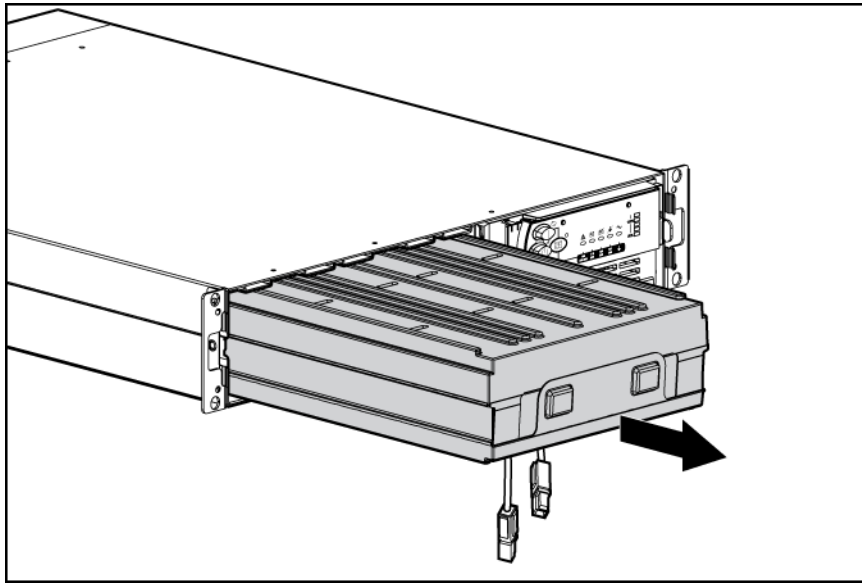


## HP UPS R3000

1. Remove the UPS front bezel.
2. Disconnect the battery leads.
3. Remove the UPS battery bracket.



4. Remove the UPS battery modules.

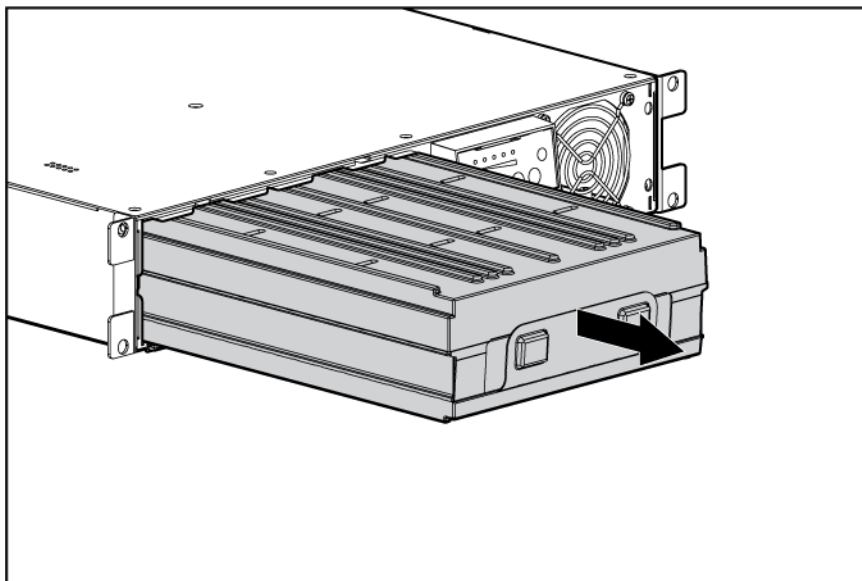


#### HP UPS R/T3000

**⚠ WARNING!** To prevent personal injury from electric shock or damage to the equipment, remove the battery lead labels, and verify that the ERM circuit breakers are in the Off position.

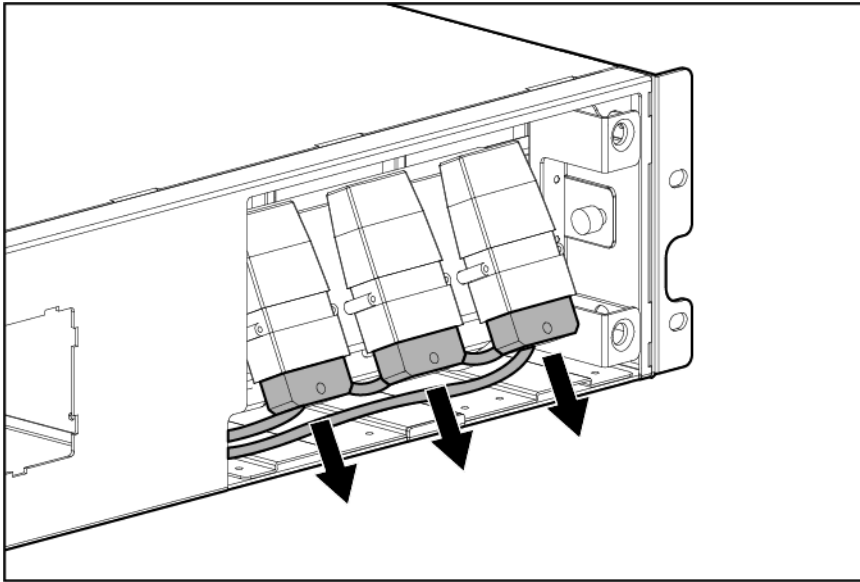
1. Remove the UPS front bezel.
2. Disconnect the battery leads.
3. Remove the UPS battery bracket.
4. Remove the UPS battery modules.

**① IMPORTANT:** Do not pull the battery leads when removing or installing the batteries.

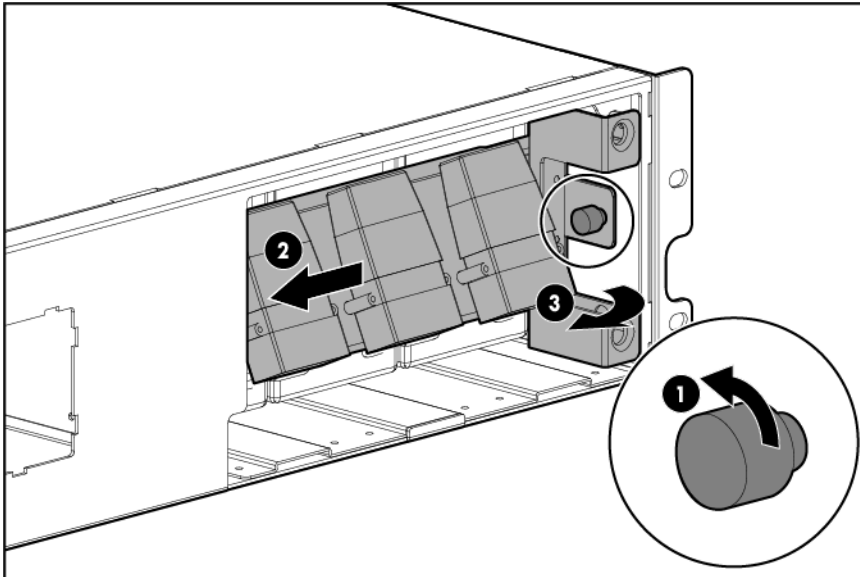


#### HP UPS R5000

1. Remove the UPS front bezel.
2. Disconnect the battery leads.

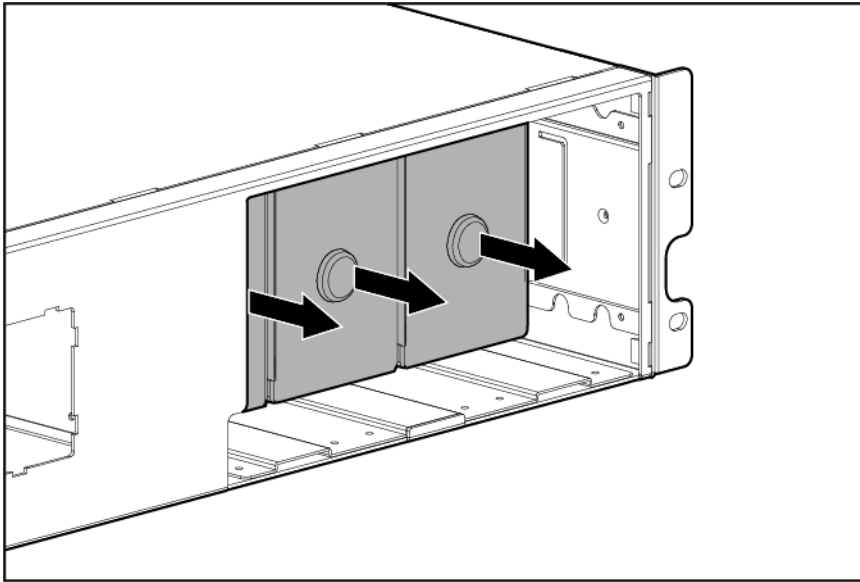


3. Remove the UPS battery bracket.



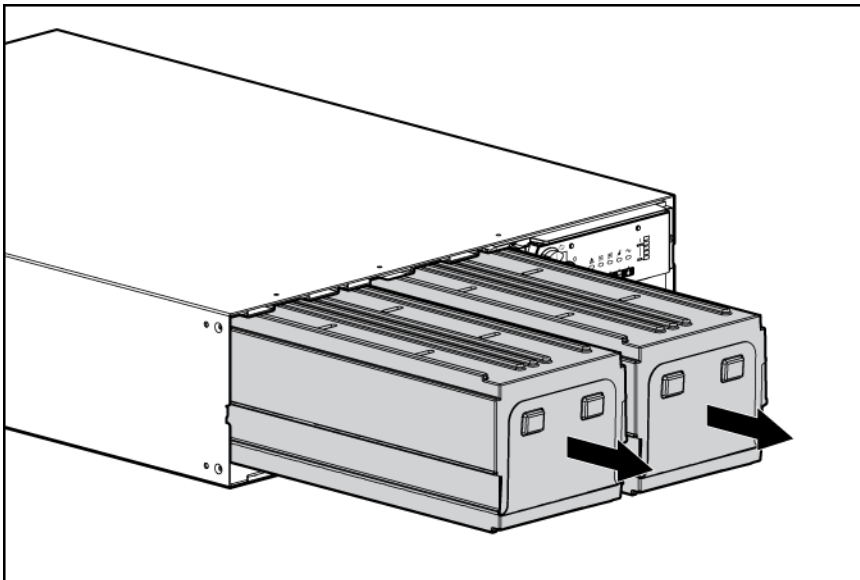
4. Remove the UPS battery modules.

① **IMPORTANT:** Do not pull the battery leads when removing or installing the batteries.



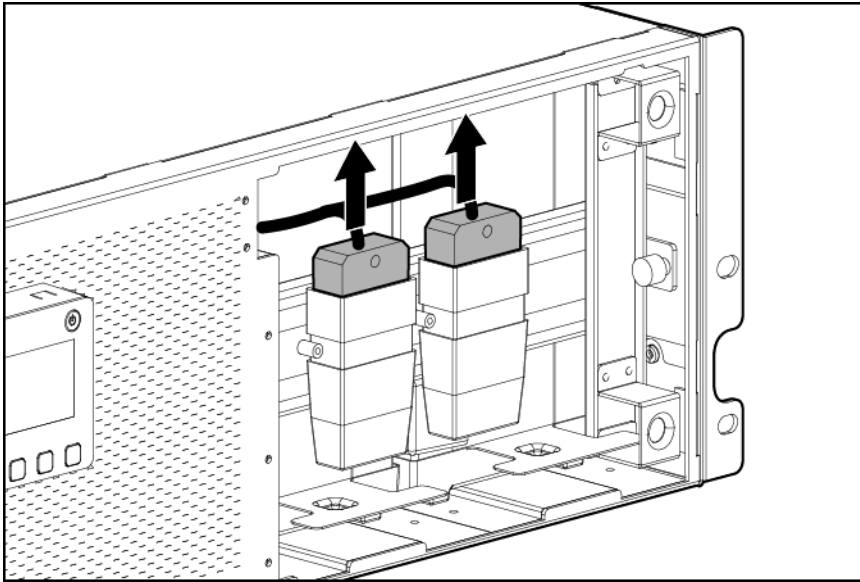
#### HP UPS R5500

1. Remove the UPS front bezel.
2. Remove the UPS battery bracket.
3. Remove the UPS battery modules.

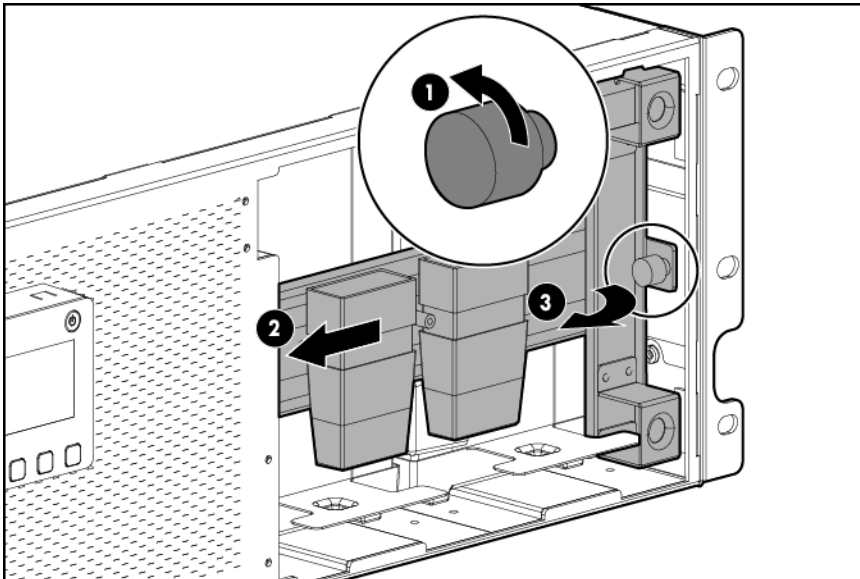


#### HP UPS R7000

1. Remove the UPS front bezel.
2. Disconnect the battery leads.

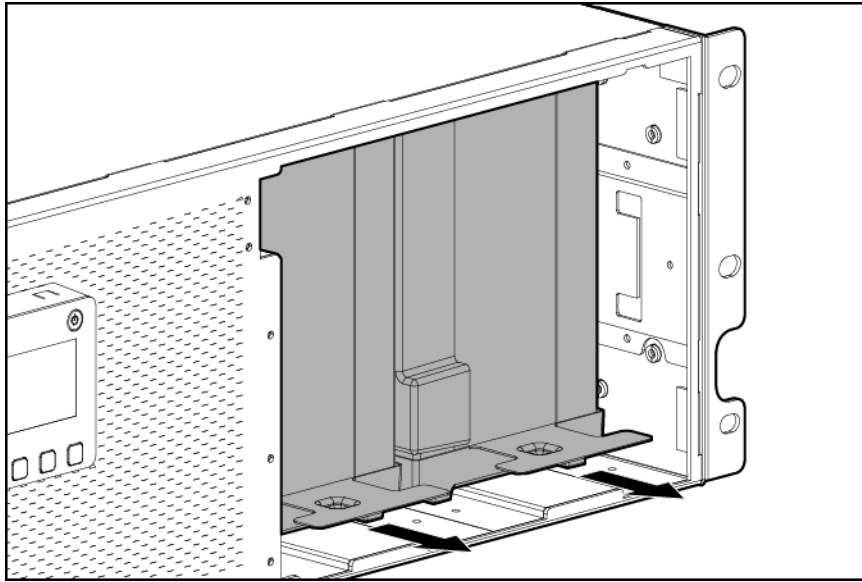


3. Remove the UPS battery bracket.



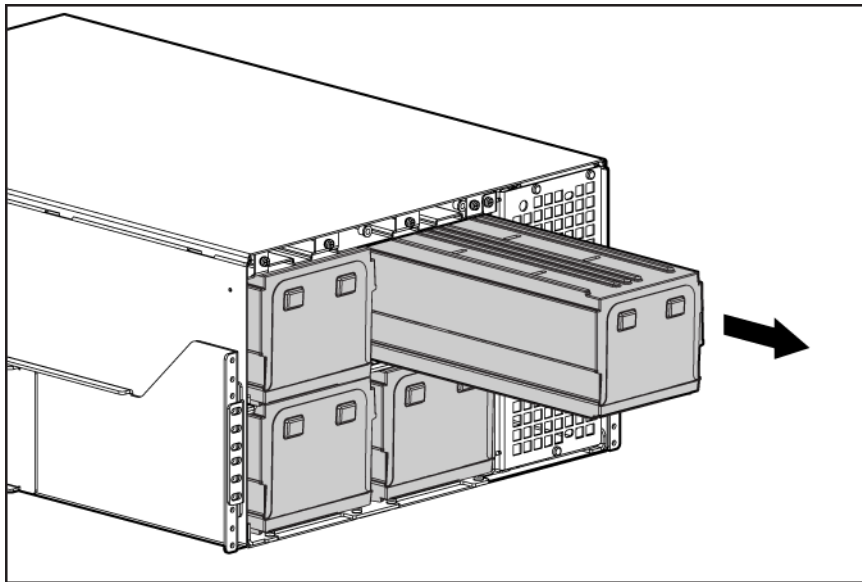
4. Remove the UPS battery modules.

❗ **IMPORTANT:** Do not pull the battery leads when removing or installing the batteries.



#### HP 3 Phase UPS R8000/3 and R12000/3

1. Remove the UPS front bezel.
2. Remove the UPS battery bracket.
3. Remove the UPS battery modules.



## Battery replacement notice

**⚠ WARNING!** Power products contain sealed lead-acid battery modules. A risk of fire and burns exists if the battery is not properly handled. To reduce the risk of personal injury:

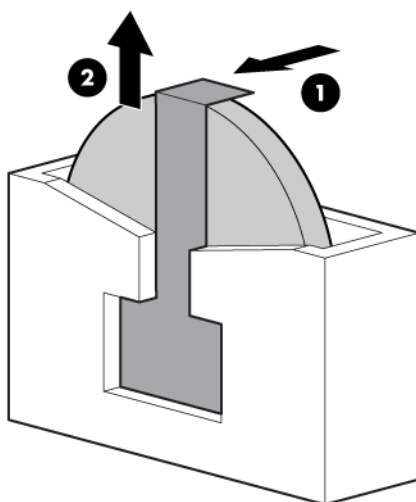
- Do not attempt to recharge the battery.
- Do not expose the battery to temperatures higher than 60°C (140°F).
- Do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water. The battery might explode.

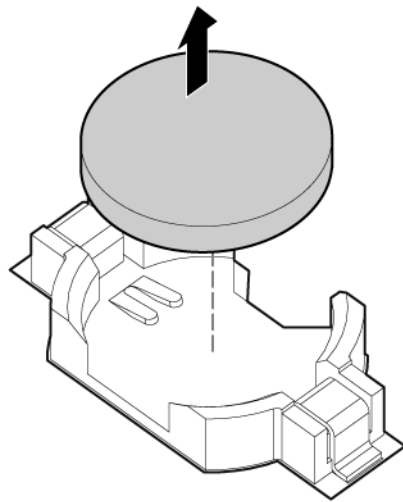
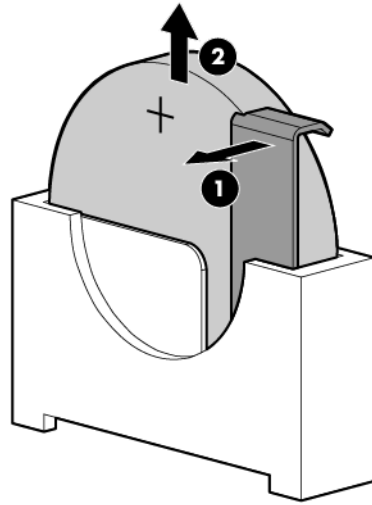


Batteries, battery packs, and accumulators should not be disposed of together with the general household waste. To forward them to recycling or proper disposal, use the public collection system or return them to HP, an authorized HP Partner, or their agents.

For more information about battery replacement or proper disposal, contact an authorized reseller or an authorized service provider.

## Coin cell battery removal





Also see the following:

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/disassemblyservers.html>

## Perchlorate Material - Special Handling May Apply

See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>.

This product may include a real-time clock battery or coin cell battery that may contain perchlorate and may require special handling when recycled or disposed of in California. Refer to the product user documentation to determine if this product contains batteries, and if so, the battery type(s) that are used.

## People's Republic of China Electronic Industry Standard, SJ/T11364-2006

Marking for the Control of Pollution Caused by Electronic Information Products

Unless otherwise labeled, this Electronic Information Product Pollution Control Mark applies to HP-branded Enterprise Storage and Server products.



Additional information about this product may be obtained at the following url:

<http://www.hp.com/go/chinarohs>

## European Union RFI Statement

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## USA Radio Frequency Interference FCC Notice

The Federal Communications Commission (in 47 CFR Part 15 subpart B) has specified that the following notice be brought to the attention of the users of this product.

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**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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The user is cautioned that changes or modifications not expressly approved by Hewlett-Packard could result in the equipment being noncompliant with FCC Class A requirements and void the user's authority to operate the equipment.

## Japan Radio Frequency Interference VCCI

Harmonics Current Guideline-Compliant Device

This equipment is in the Class A category information technology equipment based on the rules of the VCCI Council. When used in a residential area, radio interference may be caused. In this case, user may be required to take appropriate corrective actions.

## Japan Power Cord Notice

Your computer must use only the power cord that was shipped with the computer. Do not use this power cord with any other products.

## Korea RFI Statement

This equipment has been tested to comply with the limits for a Class A digital device. This equipment should be operated in a commercial environment. Please exchange if you purchased this equipment for noncommercial purposes.

## Canada RFI Statement

This Class A digital apparatus complies with Canadian ICES-003.



## Australia C-Tick Label

Figure 1 Australian C-Tick Label



## Taiwan BSMI

This product is fully compliant to CNS 13438 (CISPR 22: 1993) Class A.

Warning Users: This is a Class A IT (Information Technology) product. If this product is used in a domestic environment, radio frequency disturbance may occur, in which case the user may be required to take corrective actions.

警告使用者：  
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

## Taiwan Battery Warning

The Taiwan EPA requires dry battery manufacturing or importing firms, in accordance with Article 15 of the Waste Disposal Act, are required to indicate the recovery marks on the batteries used in sales, giveaway or promotion. Contact a qualified Taiwanese recycler for proper battery disposal.


**Figure 2 Taiwan Battery Warning**



## Republic of Turkey: In conformity with the EEE Regulation

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

# Declarations of Conformity

<b>DECLARATION OF CONFORMITY</b> according to ISO/IEC Guide 22 and EN 45014	
<b>Manufacturer's Name:</b>	Hewlett-Packard Company General Systems and Technology Lab
<b>Manufacturer's Address:</b>	8000 Foothills Blvd. Roseville, CA 95747 USA
<b>declares, that the product</b>	
<b>Product Name:</b>	HP Server rp74xx and rx76xx (where x is 0-9)
<b>Regulatory Model:</b>	RSVLA-0102-xx (where -xx is an optional suffix and x is any letter or blank)
<b>Product Options:</b>	All
<b>conforms to the following Product Specifications:</b>	
Safety: IEC 60950-1:2001 EN 60950:2001 IEC 60825-1:1993 +A1 / EN 60825-1:1994+A11, Class 1 GB 4943-1995	
EMC: CISPR 22:1997 / EN 55022:1998 Class A <sup>1)</sup> CISPR 24:1997 / EN 55024:1998  IEC 61000-3-2:1995 / EN 61000-3-2:2000 IEC 61000-3-3:1994 +A1/ EN 61000-3-3:1995 GB 9254-1998	
<b>Supplementary Information:</b>	
The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE marking accordingly.	
1) The product was tested in a typical configuration with Hewlett-Packard computer peripherals and recommended cables.	
2) DC versions of the product were tested in a typical configuration with a Hewlett-Packard 6813A AC/DC power source.	
Roseville, 03/05/04	 Frank D. Dembski Jr. Hardware Compliance Manager
European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE, Herrenberger Straße 140, D-71034 Böblingen (FAX: + 49-7031-14-3143)	

**DECLARATION OF CONFORMITY**  
according to ISO/IEC Guide 22 and EN 45014

**Manufacturer's Name:** Hewlett-Packard Company  
Business Critical Computing Division

**Manufacturer's Address:** 8000 Foothills Blvd.  
Roseville, CA 95747  
USA

**declares, that the product**

**Product Name:** HP Server rp8yyy with y being any number between (0 and 9) and  
HP Server rx8yyy with y being any number between (0 and 9)

**Model Number(s):** S-16

**Product Options:** All

**conforms to the following Product Specifications:**

**Safety:** IEC 60950-1 (2001) 1<sup>st</sup> Edition

EN 60950-1:2001

EN 60825-1:1994+A2:2001+A1:2002

GB 4943-1995

**EMC:** CISPR 22:1997 / EN 55022:1998 Class A <sup>1)</sup>

CISPR 24:1997 / EN 55024:1998

IEC 61000-3-2:1995+A1:2000

IEC 61000-3-3 +A1:2001

GB 9254-1998

**Supplementary Information:**

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE marking accordingly.

1) The product was tested in a typical configuration with Hewlett-Packard computer peripherals.

  
Frank D. Dembski Jr., Quality Manager

Roseville 08/04/05

European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE,  
Hennenberger Straße 130, D-71034 Böblingen (FAX: +49-7031-14-3143)

**DECLARATION OF CONFORMITY**  
according to ISO/IEC Guide 22 and EN 45014

**Manufacturer's Name:** Hewlett-Packard Company  
Business Critical Computing Division

**Manufacturer's Address:** 8000 Foothills Blvd.  
Roseville, CA 95747  
USA

**declares, that the product**

**Product Name:** Server Expansion Unit

**Model Number(s):** FCLSB-101A

**Product Options:** All

**conforms to the following Product Specifications:**

**Safety:** IEC 60950-1 (2001) 1<sup>st</sup> Edition

EN 60950-1:2001

EN 60825-1:1994+A2:2001+A1:2002

GB 4943-1995

**EMC:** CISPR 22:1997 / EN 55022:1998 Class A <sup>1)</sup>

CISPR 24:1997 / EN 55024/A1:2001

IEC 61000-3-2:1995+A1:2000

IEC 61000-3-3 +A1:2001

GB 9254-1998

**Supplementary Information:**

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE marking accordingly.

1) The product was tested in a typical configuration with Hewlett-Packard computer peripherals.

  
Frank D. Dembski Jr., Quality Manager

Roseville 01/23/06

European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE,  
Herrenberger Straße 130, D-71034 Böblingen (FAX: + 49-7031-14-3143)



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